

Vermont Mental Health Performance Indicator Project

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MEMORANDUM

TO: Vermont Mental Health Performance Indicator Project
Advisory Group and Interested Parties

FROM: John Pandiani
Monica Simon

DATE: July 13, 2001

RE: VSH Patients Served in Other Inpatient Settings, 1990 - 1999

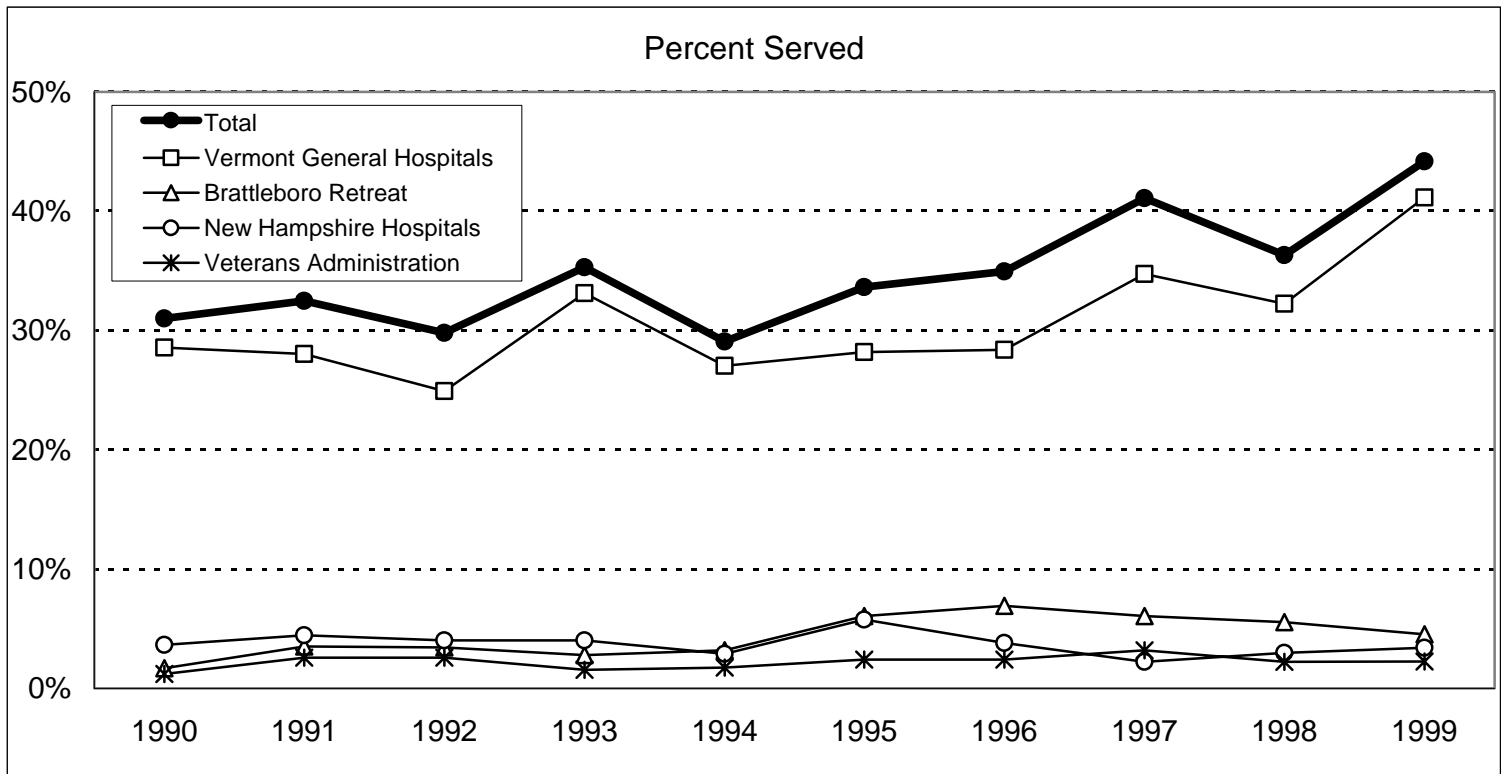
The Vermont Performance Indicator Project has frequently used the amount of caseload overlap as a measure of integration among different service systems. This has been most evident in our analysis of caseload segregation/integration (CSIR) among child-serving agencies. (See www.state.vt.us/dmh/Data/PIPs/2000/pip110300.pdf). This week's PIP reports the results of applying similar reasoning to inpatient behavioral health care services in Vermont. Specifically, we are examining the proportion of patients served in the Vermont State Hospital (VSH) who also received inpatient behavioral health care services in another inpatient setting during the same year. VSH caseload overlap is examined for each of four other facility types during each of the ten years. The results are presented on the attached page.

The data used in this analysis were obtained from the Vermont State Hospital, from the Brattleboro Retreat, and from the Vermont Department of Health Hospital Discharge Data Set. The extract from the Hospital Discharge Data Set includes basic information for all episodes of behavioral health care for Vermont residents in general hospitals in Vermont, New Hampshire, Massachusetts, and neighboring counties of New York. Because these data sets do not share unique person identifiers, Probabilistic Population Estimation was used to determine the caseload overlap between the Vermont State Hospital and the other inpatient facilities.

As you will see, the proportion of VSH patients who were also hospitalized for behavioral health care in another facility during the same year has grown from a low of 29% in 1994 to a high of 44% in 1999. If this trend continued at the 1994–99 rate of change, more than 50% of all VSH patients will have been hospitalized in other facilities during the current year. It is interesting to note that Vermont general hospitals accounted for almost all of other hospitalizations of VSH patients. Throughout the study period, 25% or more of VSH patients were also hospitalized in Vermont general hospitals each year. During this same period, the proportion of VSH patients who were also hospitalized in each of the other types of hospital never exceeded 7%.

Please let us know if there are other analyses of cross sector inpatient behavioral health care utilization you would like to see. Please send your requests and suggestions to jpandiani@ddmhs.state.vt.us or call 802-241-2638.

Vermont State Hospital Patients Served in Other Inpatient Facilities: 1990 - 1999



Number Served										
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total Served in VSH	413	428	349	323	344	330	289	314	270	265
Number Also Served in										
Any Other Facility	128	139	104	114	100	111	101	129	98	117
Vermont General Hospitals	118	120	87	107	93	93	82	109	87	109
Brattleboro Retreat	7	15	12	9	11	20	20	19	15	12
Veterans Administration	5	11	9	5	6	8	7	10	6	6
New Hampshire Hospitals	15	19	14	13	10	19	11	7	8	9

Percent Served in VSH Also Served										
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Any Other Facility	31%	32%	30%	35%	29%	34%	35%	41%	36%	44%
Vermont General Hospitals	29%	28%	25%	33%	27%	28%	28%	35%	32%	41%
Brattleboro Retreat	2%	4%	3%	3%	3%	6%	7%	6%	6%	5%
Veterans Administration	1%	3%	3%	2%	2%	2%	2%	3%	2%	2%
New Hampshire Hospitals	4%	4%	4%	4%	3%	6%	4%	2%	3%	3%

Information is derived from the Hospital Discharge Data Set maintained by the Vermont Health Department, and database extracts provided by the Brattleboro Retreat and the Vermont State Hospital. Probabilistic Population Estimation was used to provide all estimates. Confidence intervals associated with these estimates are provided in the Inpatient Data Book published by the Vermont Department of Developmental and Mental Health Services.